

**CE CIT UOB**  
**ITCE260 (Circuit Analysis)**

**Test 1**

**Time: 60 minutes**

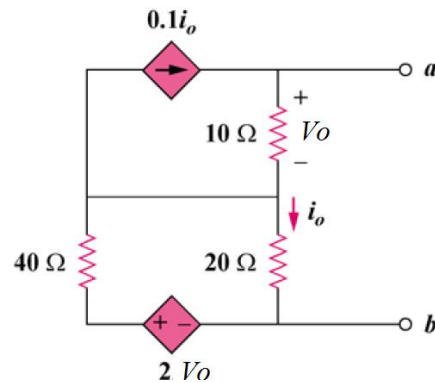
**Date: 5 Nov 2014**

Dr. Riyadh Al-Hakim

<b>Name:</b>	<b>Sec: 1</b>	<b>ID #:</b>
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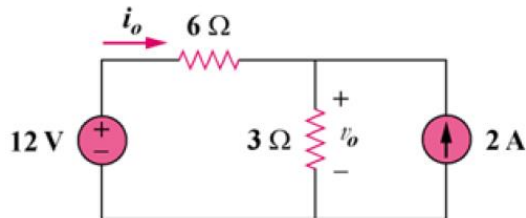
**Q1 [40 marks]**

Find Thevenin's equivalent circuit between **ab** terminals:



**Q2 [20 marks]**

Apply source transformation to find  $v_o$  and  $i_o$ :



**Q3 [40 marks]**

Find the maximum power that can be delivered to  $R_L$ .

